



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/043,572

Source: IFW/16

Date Processed by STIC: 9/29/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

~~TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE~~ CHECKER
VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
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<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

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Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

do NOT use TAB codes
move over to left

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: move over Neil MILES
- (ii) TITLE OF INVENTION: move over PEACH TREE 'V75074'
- (iii) NUMBER OF SEQUENCES: 7? 14 shown in submitted file (see p. 3)
- (iv) CORRESPONDENCE ADDRESS:
- (A) ADDRESSEE: move over FLYNN, THIEL,
BOUTELL & TANIS, P.C.
- (B) STREET: move over 2026 Rambling Road
- (C) CITY: move over Kalamazoo
- (D) STATE: move over Michigan
- (E) COUNTRY: move over USA
- (F) ZIP: move over 49008-1631
- (v) COMPUTER READABLE FORM:
- (A) MEDIUM TYPE: move over Diskette, 3.5 inches,
1.44 Mb storage
- (B) COMPUTER: move over Gateway
- (C) OPERATING SYSTEM: move over Microsoft Windows 98
- (D) SOFTWARE: move over Word 2000
- (vi) CURRENT APPLICATION DATA:
- (A) APPLICATION NUMBER: move over 10/043 572
- (B) FILING DATE: move over January 10, 2002
- (C) CLASSIFICATION: move over Plant classification number
- (vii) PRIOR APPLICATION DATA:
- (A) APPLICATION NUMBER: move over
- (B) FILING DATE: move over
- (viii) ATTORNEY/AGENT INFORMATION:
- (A) NAME: move over Sidney B. Williams, Jr.
- (B) REGISTRATION NUMBER: move over 24 949
- (C) REFERENCE/DOCKET NUMBER: move over IPPM Case 7
- (ix) TELECOMMUNICATION INFORMATION:
- (A) TELEPHONE: move over (269) 381-1156
- (B) TELEFAX: move over (269) 381-5465

do not
slow serial
number in
right-hand
corner
Does Not Comply
Corrected Diskette Needed

plans
belong
directly
following
headings

delete
if no
responses

use this format

do NOT use hard page breaks

in the computer readable
form

clarification
onlydo not show
page no.

SEQ ID NO: 1:

(2) INFORMATION FOR GPPCT030-A Sequence ID No. 1

Sequence 5' to 3'

TGAATATTGTTCTCAATTC

invalid format

move this under

(xi) SEQUENCE DESCRIPTION:
heading

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 20

(B) TYPE: ← mandatory response

(C) STRANDEDNESS: ← mandatory response

(D) LENGTH TOPOLOGY: ← mandatory response

(ii) MOLECULE TYPE: ← DNA

(iii) HYPOTHETICAL

(iv) ANTI SENSE

delete, since no response

(vi) ORIGINAL SOURCE:

(A) ORGANISM: ← ARTIFICIAL

(B) INDIVIDUAL/ISOLATE:

(C) CELL TYPE:

delete, if no responses

(vii) IMMEDIATE SOURCE:

(B) CLONE

(C) OTHER: SYNTHETIC

This is not a heading under
(vii) IMMEDIATE SOURCE

(x) PUBLICATION INFORMATION:

(A) AUTHORS: ← Aranzana et al.

(B) TITLE: ← Development and Variability
Analysis→ move up
Of Microsatellite Markers in
Peach

(C) JOURNAL: ← Plant Breeding

(D) VOLUME: ← 121

(F) PAGES: ← 87-92

(G) DATE: ← 2002

(K) RELEVANT RESIDUES: ←

delete, since no response is shown

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

Per 1.822 of Sequence Rules, group all non-coding
nucleotides into 10's, with one space between
groups of 10, at the right margin of each line,
indicate the cumulative nucleotide total.

This page shown as a sample of global errors

(15) INFORMATION FOR Pchgm1-B : Sequence ID No. 14
Sequence 5' to 3' : GGATCATTGAAC TACGTCAATCCTC
(i) SEQUENCE CHARACTERISTICS :
 (A) LENGTH : 25
 (B) TYPE :
 (C) STRANDEDNESS :
 (Q) LENGTH :
(ii) MOLECULE TYPE : DNA
(iii) HYPOTHETICAL :
(iv) ANTI-SENSE :
(v) ORIGINAL SOURCE :
 (A) ORGANISM : ARTIFICIAL
 (B) INDIVIDUAL/ISOLATE :
 (C) CELL TYPE :
(vi) IMMEDIATE SOURCE :
 (B) CLONE :
 (C) OTHER : SYNTHETIC
(x) PUBLICATION INFORMATION :
 (A) AUTHORS : Sosinski et al.
 (B) TITLE : Characterization of
 Microsatellite Markers
 In Peach [Prunus persica (L.)
 Batsch]
 (C) JOURNAL : Theor. Appl. Genet.
 (D) VOLUME : 101
 (F) PAGES : 421-428
 (G) DATE : 2000
 (K) RELEVANT RESIDUES :

← last

sequence
in submitted
file

same
format
now

as

previous
sequences
in submitted
file

The submitted sequence listing
is in "old" sequence Rules format.

(See sample Sequence Listing (attached)
for valid format.) FYI: Per new Sequence Rules,
all U.S. sequence listing applications filed
on or after July 1, 1998, and which do not have a prior related
application filed before July 1, 1998, must have a sequence
listing in new Sequence Rules format.

(3) Computer: Apple Macintosh;
 (i) Operating System: Macintosh;
 (ii) Macintosh File Type: text with line termination
 (iii) Line Terminator: Pre-defined by text type file;
 (iv) Pagination: Pre-defined by text type file;
 (v) End-of-file: Pre-defined by text type file;
 (vi) Media: (A) Diskette—3.50 inch, 400 Kb storage;
 (B) Diskette—3.50 inch, 800 Kb storage;
 (C) Diskette—3.50 inch, 1.4 Mb storage;
 (vii) Print Command: Use PRINT command from any Macintosh Application that processes text files, such as MacWrite or Teach Text;
 (4) Magnetic tape: 0.5 inch, up to 2400 feet;
 (i) Density: 1600 or 6250 bits per inch, 9 track;
 (ii) Format: raw, unblocked;
 (iii) Line Terminator: ASCII Carriage Return plus optional ASCII Line Feed;
 (iv) Pagination: ASCII Form Feed or Series of Line Terminators;
 (v) Print Command (Unix shell version given here as sample response—mt/dev/rmt0; lpr/dor/rmt0);
 (g) Computer readable forms that are submitted to the Office will not be returned to the applicant.
 (h) All computer readable forms shall have a label permanently affixed thereto on which has been hand printed or typed, a description of the format of the computer readable form as well as the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form and the name and type of computer and operating system which generated the files on the computer readable form. If all of this information cannot be printed on a label affixed to the computer readable form, by reason of size or otherwise, the label shall include the name of the applicant and the title of the invention and a reference number, and the additional information may be provided on a container for the computer readable form with the name of the applicant, the title of the invention, the reference number and the additional information affixed to the container. If the computer readable form is submitted after the date of filing

under 35 U.S.C. 111, after the date of entry in the national stage under 35 U.S.C. 371 or after the time of filing in the United States Receiving Office, an International application under the PCT, the labels mentioned herein must also include the date of the application and the application number, including series code and serial number.

§ 1.825 Amendments to or replacement of sequence listing and computer readable copy thereof.

(a) Any amendment to the paper copy of the "Sequence Listing" (§ 1.821(c)) must be made by the submission of substitute sheets. Amendments must be accompanied by a statement that indicates support for the amendment in the application, as filed, and a statement that the substitute sheets include no new matter. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(b) Any amendment to the paper copy of the "Sequence Listing" in accordance with paragraph (a) of this section, must be accompanied by a substitute copy of the computer readable form (§ 1.821(e)) including all previously submitted data with the amendment incorporated therein, accompanied by a statement that the copy in computer readable form is the same as the substitute copy of the "Sequence Listing." Such a statement must be a verified statement if made by a person not registered to practice before the Office.

(c) Any appropriate amendments to the "Sequence Listing" in a patent, e.g., by reason of release or certificate of correction, must comply with the requirements of paragraphs (a) and (b) of this section.

(d) If, upon receipt, the computer readable form is found to be damaged or unreadable, applicant must provide, within such time as set by the Commissioner, a substitute copy of the data in computer readable form accompanied by a statement that the substitute data is identical to that originally filed. Such a statement must be a verified statement if made by a person not registered to practice before the Office.

Appendix A—Sample Sequence Listing

(1) GENERAL INFORMATION:

(i) APPLICANT: Doe, Joan X. Doe, John Q
 (ii) TITLE OF INVENTION: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
 (iii) NUMBER OF SEQUENCES: 2
 (iv) CORRESPONDENCE ADDRESS:
 (A) ADDRESSEE: Smith and Jones
 (B) STREET: 123 Main Street
 (C) CITY: Smalltown
 (D) STATE: Anystate
 (E) COUNTRY: USA
 (F) ZIP: 12345
 (v) COMPUTER READABLE FORM:
 (A) MEDIUM TYPE: Diskette, 3.50 inch, 800 Kb storage
 (B) COMPUTER: Apple Macintosh
 (C) OPERATING SYSTEM: McIntosh 5.0
 (D) SOFTWARE: MacWrite
 (vi) CURRENT APPLICATION DATA:
 (A) APPLICATION NUMBER: 00/999,999
 (B) FILING DATE: 28-FEB-1989
 (C) CLASSIFICATION: 999/99
 (vii) PRIOR APPLICATION DATA:
 (A) APPLICATION NUMBER: PCT/US88/99999
 (B) FILING DATE: 01-MAR-1988
 (viii) ATTORNEY/AGENT INFORMATION:
 (A) NAME: Smith, John A.
 (B) REGISTRATION NUMBER: 00001
 (C) REFERENCE/DOCKET NUMBER: 01-0001
 (ix) TELECOMMUNICATION INFORMATION:
 (A) TELEPHONE: (000) 999-0001
 (B) TELEFAX: (000) 999-0002
 (2) INFORMATION FOR SEQ ID NO. 1:
 (i) SEQUENCE CHARACTERISTICS
 (A) LENGTH: 954 base pairs
 (B) TYPE: nucleic acid
 (C) STRANDEDNESS: single
 (D) TOPOLOGY: linear
 (ii) MOLECULE TYPE: genomic DNA
 (iii) HYPOTHETICAL: yes
 (iv) ANTI-SENSE: no
 (vi) ORIGINAL SOURCE:
 (A) ORGANISM: *Paramecium* sp.
 (C) INDIVIDUAL/ISOLATE: XYZ2
 (C) CELL TYPE: unicellular organism
 (vii) IMMEDIATE SOURCE:
 (A) LIBRARY: genomic
 (B) CLONE: Para-XYZ2/30
 (x) PUBLICATION INFORMATION:
 (A) AUTHORS: Doe, Joan X. Doe, John Q
 (B) TITLE: Isolation and Characterization of a Gene Encoding a Protease from *Paramecium* sp.
 (C) JOURNAL: Fictional Genes
 (D) VOLUME: 1
 (E) ISSUE: 1
 (F) PAGES: 1-20
 (C) DATE: 02-MAR-1988
 (K) RELEVANT RESIDUES IN SEQ ID NO. 1: FROM 1 TO 954

BULLETIN CODE 3510-16-24

Please consult

(2) INFORMATION FOR SEQ ID NO: 2:

(I) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 82 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(II) MOLECULE TYPE: protein

(IX) FEATURE:

(A) NAME/KEY: signal sequence

(B) LOCATION: -34 to -1

(C) IDENTIFICATION METHOD: similarity
to other signal sequences, hydrophobic(D) OTHER INFORMATION: expresses
protease

(X) PUBLICATION INFORMATION:

(A) AUTHORS: Doc. Joan X. Doe, John Q

(B) TITLE: Isolation and Characterization

of a Gene Encoding a Protease from
Paramecium sp.

(C) JOURNAL: Fictional Genes

(D) VOLUME: 1

(E) ISSUE: 1

(F) PAGES: 1-20

(G) DATE: 07 MAR 1988

(X) RELEVANT RESIDUES IN SEQ ID NO:

2: FROM -34 TO 48

BELOW CODE M H-H-H

Here's where sequence 2 starts (after
the sequence data of SEQ ID NO: 1.)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ATCGGGATAG TACTGGTCAA GACCGGTGGA CACCGGTTAA CCCCGGTTAA GTACGGGTTA 60
 TAGGCCATTT CAGGCCAAAT GTGCCCAACT ACGCCAATTG TTTTGCCAAC GGCCAACGTT 120
 ACGTTCGTAC GCACGTATGT ACCTAGGTAC TTACGGACGT GACTACGGAC ACTTCOGTAC 180
 GTACGTACGT TTACGTACCC ATCCCAACGT AACCACAGTG TGGTCGCAGT GTCCCACTGT 240
 ACACAGACTG CCAGACATTC TTCACAGACA CCCC ATG ACA CCA CCT GAA CGT CTC 295
 Met Thr Pro Pro Glu Arg Leu
 -30
 TTC CTC CCA AGG GTG TGT GGC ACC ACC CTA CAC CTC CTC CTT CTG GGG 343
 Phe Leu Pro Arg Val Cys Gly Thr Thr Leu His Leu Leu Leu Gly
 -25 -20 -15
 CTG CTG CTG GTT CTG CTG CCT GGG GCC CAT GTGAGGCAGC AGGAGAATGG 393
 Leu Leu Leu Val Leu Leu Pro Gly Ala His
 -10 -5
 GGTGGCTCAG CCAACCTTG AGCCCTAGAG CCCCCCTCAA CTCTGTTCTC CTAG GGG 450
 Gly
 CTC ATG CAT CTT GCC CAC AGC AAC CTC AAA CCT GCT GCT CAC CTC ATT 498
 Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His Leu Ile
 1 5 10 15
 GTAAACATCC ACCTGACCTC CCAGACATGT CCCCACCAGC TCTCCTCCTA CCCCTGCCTC 558
 AGGAACCCAA GCATCCACCC CTCTCCCCCA ACTTCCCCCA CGCTAAAAAA AACAGAGGGA 618
 GCCCACTCCT ATGCCTCCCC CTGCCATCCC CCAGGAATC AGTTGTTTCA TGCCCACTTC 678
 TAC CCC AGC AAG CAG AAC TCA CTG CTC TGG AGA GCA AAC ACG GAC CGT 726
 Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr Asp Arg
 20 25 30
 GCC TTC CTC CAG GAT GGT TTC TCC TTG AGC AAC AAT TCT CTC CTG GTC 774
 Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu Leu Val
 35 40 45
 TAGAAAAAAT AATTGATTTC AAGACCTTCT CCCCATTCTG CCTCCATTCT GACCATTTC 834
 GGGGTCGTCA CCACCTCTCC TTTGGCCATT CCAACAGCTC AAGTCTTCCC TGATCAAGTC 894
 ACCGGAGCTT TCAAAGAAGG AATTCTAGGC ATCCCAGGGG ACCCACACCT CCCTGAACCA 954

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Met Thr Pro Pro Glu Arg Leu Phe Leu Pro Arg Val Cys Gly Thr Thr
-30 -25 -20

Leu His Leu Leu Leu Gly Leu Leu Leu Val Leu Leu Pro Gly Ala
-15 -10 -5

His Gly Leu Met His Leu Ala His Ser Asn Leu Lys Pro Ala Ala His
1 5 10

Leu Ile Tyr Pro Ser Lys Gln Asn Ser Leu Leu Trp Arg Ala Asn Thr
15 20 25 30

Asp Arg Ala Phe Leu Gln Asp Gly Phe Ser Leu Ser Asn Asn Ser Leu
35 40 45

Leu Val

BILLING CODE 3510-16-C